

To: Bosscher, Valerie[bosscher.valerie@epa.gov]; Drexler, Timothy[drexler.timothy@epa.gov]
Cc: Johnson, Mark[johnson.mark@epa.gov]; Poy, Thomas[poy.thomas@epa.gov]; Bair, Rita[bair.rita@epa.gov]; Porter, Andrea[porters.andrea@epa.gov]
From: Deltoral, Miguel
Sent: Wed 9/7/2016 10:28:05 AM
Subject: Re: Tap Water Testing and Filter Placement

I added some comments below Val's **IN CAPS**

Miguel A. Del Toral
Regulations Manager
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From: Bosscher, Valerie
Sent: Tuesday, September 6, 2016 04:04 PM
To: Deltoral, Miguel; Drexler, Timothy
Cc: Johnson, Mark; Poy, Thomas; Bair, Rita; Porter, Andrea
Subject: Re: Tap Water Testing and Filter Placement

Miguel and Tim,

I sketched out a rough preliminary cost estimate (attached) for the sequential sampling and associated analytical services.

Please note there are numerous assumptions detailed on the table, because I did not have specifics such as contractor rates/terms, number of sites, and other specifics. In addition, the following issues were not detailed in the SOW, but would affect the cost for the work:

- Who is doing the plumbing evaluation (i.e., identifying specific number of sequential samples for individual sites)?

MDT: IN FLINT, MDEQ PROVIDED US WITH ACCESS TO PLUMBERS WHO ACCOMPANIED EPA FIELD STAFF ON HOME VISITS TO CONDUCT THE PLUMBING SURVEY. EPA THEN USED PIPE INFORMATION TO ESTIMATE THE WATER VOLUME (SEE ATTACHED PLUMBING SURVEY FOR ONE OF OUR SAMPLING SITES).

- Will the residents be present / how will scheduling be handled?

MDT: ASSUMING THE RESIDENTS ARE STAYING IN THEIR HOMES IN ZONES 2 AND 3, EPA/CONTRACTOR WOULD HAVE TO CALL THE RESIDENTS TO SCHEDULE THE SAMPLING AND EXPLAIN THE SAMPLING PROCEDURE. WE ALSO CALL THEM THE NIGHT BEFORE SAMPLING TO REMIND THEM TO FLUSH THE TAP FOR 5 MINUTES BEFORE GOING TO BED AND THAT THEY CANNOT USE ANY WATER UNTIL SAMPLES ARE COLLECTED THE FOLLOWING MORNING.

- How are analytical results being sent to the residents?

MDT: WE HAVE SOME TEMPLATES THAT WE ARE USING IN FLINT, SO WE CAN PROVIDE THOSE FOR FOLKS TO CUSTOMIZE.

- Is the analytical cost going to be 'passed through' (i.e., marked up) by the contractor?

Question for Miguel - Include Alkalinity? Include Orthophosphate vs. Total P?

MDT: THANKS FOR CATCHING THIS. WE WOULD NEED TO INCLUDE ALKALINITY AND MEASURE ORTHOPHOSPHATE RATHER THAN TOTAL P.

Let me know if you'd like anything else on this.

Thanks,

Val

Valerie Bosscher, P.E.

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From: Deltoral, Miguel

Sent: Tuesday, September 6, 2016 10:09:41 AM

To: Drexler, Timothy

Cc: Johnson, Mark; Poy, Thomas; Bair, Rita; Porter, Andrea; Bosscher, Valerie

Subject: Re: Tap Water Testing and Filter Placement

Hi Tim,

See attached draft. Since this is a modified version of the sampling we are conducting in Flint, I am sharing it with others as a draft for comment, but I think this should give you a sense for the scope of the effort. Since EPA labs are doing all of the Flint analyses I don't have cost info on that, but I spoke to Val and she is going to try to work on that. However, we need to know if the contractor would be collecting the samples or not to determine overall cost/sample.

Everyone - Any feedback on the customized process for East Chicago would be appreciated.

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From: Drexler, Timothy

Sent: Tuesday, September 6, 2016 08:49 AM

To: Deltoral, Miguel

Cc: Johnson, Mark

Subject: Tap Water Testing and Filter Placement

Hi Miguel: Could you send me your write up on the tap water sampling procedure we should use as a part of our soil excavation program at the USS Lead Site? Could you

also send me cost estimates for the sampling per property and the cost and type of filter we would be installing?

Thanks,

-Tim